

Sequence 145, App
Sequence 145, App
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Sequence 3, Appli
Sequence 20, Appli
Patent No. 5182196
Sequence 3, Appli
Sequence 3, Appli
Sequence 9, Appli
Sequence 4, Appli
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Sequence 5, Appli
Sequence 6, Appli
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Sequence 2, Appli
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29 67.5 7.1 317 3 US-08-469-318-145
30 67.5 7.1 317 3 US-08-468-609A-145
31 67.5 7.1 317 4 PCT-US95-01185-145
32 66.5 7.0 231 1 US-07-656-566-3
33 66.5 7.0 231 1 US-08-376-362A-20
34 66 6.9 158 5 5182196-2
35 65.5 6.9 151 1 US-07-940-605A-3
36 65.5 6.9 151 2 US-08-690-096-3
37 65.5 6.9 1069 1 US-07-777-715-9
38 65.5 6.9 1069 1 US-08-170-126-4
39 65.5 6.9 1069 3 US-08-954-418-4
40 65 6.8 157 2 US-07-940-605A-5
41 65 6.8 157 2 US-08-690-096-5
42 64.5 6.8 260 1 US-08-446-922-6
43 64.5 6.8 260 2 US-08-431-055-2
44 64.5 6.8 260 2 US-08-249-189-2
45 64.5 6.8 260 2 US-08-484-624A-2

ALIGNMENTS

RESULT 1
US-08-912-227-2
; Sequence 2, Application US/08912227
; Patent No. 5998171
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: NI, Jian
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Human Endokine Alpha
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX, P.L.L.C
; STREET: 1100 NEW YORK AVE., NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/912,227
; FILING DATE: Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/024,058
; FILING DATE: 16-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0470001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ. ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 169 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-912-227-2

Query Match 95.3%; Score 906; DB 2; Length 169;
Best Local Similarity 100.0%; Pred. No. 8e-100;
Matches 169; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 9 MPLSHRTOGAORSSKWLFLCSIVMLFLCSFSLWLFLETAKEPCMAKFGPLPSK 68
|||||

GenCore version 4.5
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OM protein - protein search, using sw model
Run on: February 23, 2001, 10:48:45 ; Search time 12.08 Seconds
(without alignments)
263.112 Million cell updates/sec

Title: US-09-195-368-1
perfect score: 951
Sequence: 1 MCLSHLENPLSHSFTOGAQ.....VLKNNTYWGILLANPOFIS 177

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues 174772
Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
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3: /cgn2_6/ptodata/2/iaa/6.COMB.pep.*
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5: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match % | Length | ID | Description |
|------------|-------|---------------|--------|----|-------------------|
| 1 | 906 | 95.3 | 169 | 2 | US-08-912-227-2 |
| 2 | 77 | 8.1 | 326 | 3 | US-08-089-397A-11 |
| 3 | 77 | 8.1 | 326 | 5 | 5395759-2 |
| 4 | 77 | 8.1 | 2763 | 3 | US-08-496-944-2 |
| 5 | 75.5 | 7.9 | 550 | 3 | US-09-039-859-9 |
| 6 | 74 | 7.8 | 157 | 4 | PCT-US93-02475-6 |
| 7 | 73 | 7.7 | 166 | 3 | US-08-765-381-12 |
| 8 | 71.5 | 7.5 | 233 | 1 | US-08-323-445A-10 |
| 9 | 71.5 | 7.5 | 233 | 1 | US-08-515-903A-10 |
| 10 | 71.5 | 7.5 | 233 | 2 | US-08-912-227-3 |
| 11 | 71.5 | 7.5 | 233 | 2 | US-08-230-428B-2 |
| 12 | 71.5 | 7.5 | 233 | 4 | PCT-US95-12840-10 |
| 13 | 71.5 | 7.5 | 233 | 5 | 5422425-2 |
| 14 | 71 | 7.5 | 157 | 4 | PCT-US93-02475-2 |
| 15 | 71 | 7.5 | 1082 | 1 | US-08-106-493A-2 |
| 16 | 71 | 7.5 | 1082 | 1 | US-08-429-264-2 |
| 17 | 70 | 7.4 | 157 | 4 | PCT-US93-02475-7 |
| 18 | 70 | 7.4 | 1139 | 1 | US-08-832-883-2 |
| 19 | 70 | 7.4 | 1139 | 2 | US-08-832-877-2 |
| 20 | 69.5 | 7.3 | 984 | 1 | US-08-257-073-3 |
| 21 | 69.5 | 7.3 | 984 | 2 | US-08-184-009-120 |
| 22 | 69.5 | 7.3 | 984 | 2 | US-08-458-356-120 |
| 23 | 68.5 | 7.2 | 166 | 3 | US-08-765-381-4 |
| 24 | 68.5 | 7.2 | 166 | 3 | US-08-765-381-6 |
| 25 | 68.5 | 7.2 | 558 | 1 | US-08-333-358-12 |
| 26 | 68.5 | 7.2 | 558 | 1 | US-08-463-694-12 |
| 27 | 68.5 | 7.2 | 558 | 1 | US-08-694-501-12 |
| 28 | 68.5 | 7.2 | 3443 | 2 | US-08-416-603-2 |

Db 1 MPLSHRTOGAORSSWKLWLFCSIVMLFLCFSWLFIFLQLETAKEPCMAKFGPLPSK 60
 QY 69 WQMASSEPCVNVKSDWKLLEILONGLYLIYGOVAPNANYNDVAPFEVRLYKNDMTOTLT 128
 Db 61 WQMASSEPCVNVKSDWKLLEILONGLYLIYGOVAPNANYNDVAPFEVRLYKNDMTOTLT 120
 QY 129 NKSQIONVGGTYELHVGDTIDLFNSEHQVLKNNTYWGIILLANPOFIS 177
 Db 121 NKSQIONVGGTYELHVGDTIDLFNSEHQVLKNNTYWGIILLANPOFIS 169

RESULT 2
 US-08-089-397A-11
 ; Sequence 11, Application US/08089397A
 ; Patent No. 6086880
 ; GENERAL INFORMATION:
 ; APPLICANT: SABARA, MARTA I.J.
 ; APPLICANT: FRENCHICK, PATRICK J.
 ; APPLICANT: POTTER, ANDREW A.
 ; APPLICANT: IJAZ, MOHAMMAD K.
 ; APPLICANT: GILCHRIST, JAMES E.
 ; APPLICANT: REDMOND, MARK J.
 ; TITLE OF INVENTION: ROTAVIRUS VACCINES
 ; NUMBER OF SEQUENCES: 24
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: MORRISON & FOERSTER
 ; STREET: 2000 Pennsylvania Avenue, NW
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20006-1888
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/089,397A
 ; FILING DATE: 07-JUL-1993
 ; CLASSIFICATION: 530
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: ADLER, REID G.
 ; REGISTRATION NUMBER: 30,988
 ; REFERENCE/DOCKET NUMBER: 29311-20003.03
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (202) 887-1500
 ; TELEFAX: (202) 887-0763
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 326 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: unknown
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 ; US-08-089-397A-11

Query Match 8.1%; Score 77; DB 3; Length 326;
 Best Local Similarity 22.8%; Pred. No. 0.52;
 Matches 42; Conservative 29; Mismatches 59; Indels 54; Gaps 9;

QY 26 LWLFCSIVMLFLC-----SFSWLFIFLQLETAKEPCMAK-----FGPLPSKWQM 71
 Db 10 LTILISILLNYLKTITNTMDYIIFRELLIALISPFVTONYGMYPITGSLDAVYTN 69
 QY 72 ASSEPP-----CV-----NKVSDWKLLEILONGLYLIYGOVAPNA-----NYNDVAPFEV 115
 Db 70 STSGPEFLTSTLCLYYPAEAKNEISDDEWENTLSQLFLTKGWPIGSVYFKDYNDINTFSV 129
 QY 116 --RLYKNDMTOTLTKNSKIQNVGGTYELHVGDTIDLFNSEHQVLKNNTYWGIILLANP 173
 Db 130 NPOLYCDYNVV-----LMRYDNTSELDADELADILNE-----W-----LCNP 167

QY 174 QFIS 177
 Db 168 MDIS 171

RESULT 3
 5395759-2
 ; Patent No. 5395759
 ; APPLICANT: HOLMES, IAN H.; DYALL-SMITH, MICHAEL L.
 ; TITLE OF INVENTION: DNA SEQUENCES AND AMINO ACID SEQUENCE
 ; ENCODING THE HUMAN ROTAVIRUS MAJOR OUTER CAPSID GLYCOPROTEIN
 ; NUMBER OF SEQUENCES: 14
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/474,642
 ; FILING DATE: 29-APR-1985
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 824,704
 ; FILING DATE: 04-FEB-1987
 ; SEQ ID NO: 2:
 ; LENGTH: 326
 ; 5395759-2

Query Match 8.1%; Score 77; DB 5; Length 326;
 Best Local Similarity 22.8%; Pred. No. 0.52;
 Matches 42; Conservative 29; Mismatches 59; Indels 54; Gaps 9;

QY 26 LWLFCSIVMLFLC-----SFSWLFIFLQLETAKEPCMAK-----FGPLPSKWQM 71
 Db 10 LTILISILLNYLKTITNTMDYIIFRELLIALISPFVTONYGMYPITGSLDAVYTN 69
 QY 72 ASSEPP-----CV-----NKVSDWKLLEILONGLYLIYGOVAPNA-----NYNDVAPFEV 115
 Db 70 STSGPEFLTSTLCLYYPAEAKNEISDDEWENTLSQLFLTKGWPIGSVYFKDYNDINTFSV 129
 QY 116 --RLYKNDMTOTLTKNSKIQNVGGTYELHVGDTIDLFNSEHQVLKNNTYWGIILLANP 173
 Db 130 NPOLYCDYNVV-----LMRYDNTSELDADELADILNE-----W-----LCNP 167
 QY 174 QFIS 177
 Db 168 MDIS 171

RESULT 4
 US-08-496-944-2
 ; Sequence 2, Application US/08496944
 ; Patent No. 6040496
 ; GENERAL INFORMATION:
 ; APPLICANT: Law, Marcus D
 ; APPLICANT: Dietz, Jon M
 ; TITLE OF INVENTION: Use of Translationally altered RNA to
 ; TITLE OF INVENTION: Confer Resistance to Maize Dwarf Mosaic Virus and Other
 ; TITLE OF INVENTION: Monocotyledonous Plant Viruses
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CIBA-Geigy Corporation
 ; STREET: 7 Skyline Drive
 ; CITY: Hawthorne
 ; STATE: NY
 ; COUNTRY: USA
 ; ZIP: 10532
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30B
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/496,944
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Elmer, James Scott

REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: CCC 1814
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2763 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-496-944-2

Query Match 8.1%; Score 77; DB 3; Length 2763;
Best Local Similarity 25.0%; Pred. No. 13;
Matches 31; Conservative 20; Mismatches 53; Indels 20; Gaps 5;
QY 51 LETAKEPCMAKFGPLSKWQMASSEPPCVNKVSKDKWKLILQNGLYLYIGQVAPNANDV 110
DB 18 IQFIKERCNPKFSLPTLQVAETIGHYTDNQSKQIMDV-SEALIKVNTLTPDDAMKASA 76
QY 111 APTEV-RLYNK-----DMIQTLTNKSKIONVGGTYELHVGDTIDLIIFNSEHGVKLN-N 162
DB 77 ALLEVSRYKRNKESLTKDSLESFRNK-----ISPKSTINAALMCDNQLDKKNAN 125
QY 163 TYWG 166
DB 126 FVWG 129

RESULT 5
US-09-039-859-9
Sequence 9, Application US/09039859
Patent No. 6063987
GENERAL INFORMATION:
APPLICANT: Daub, Margaret E.
APPLICANT: Ehrenschaft, Marilyn
APPLICANT: Jeans, Ann E.
TITLE OF INVENTION: Isolated Genes and Proteins Encoding
TITLE OF INVENTION: Resistance to Photosensitizers
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Virginia C. Bennett
STREET: PO Box 37428
CITY: Raleigh
STATE: No. 6063987th Carolina
COUNTRY: US
ZIP: 27627
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/039,859
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Bennett, Virginia C.
REGISTRATION NUMBER: 37,092
REFERENCE/DOCKET NUMBER: 5405.333
TELEPHONE: 919-854-1400
TELEFAX: 919-854-1401
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 550 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-039-859-9

Query Match 7.9%; Score 75.5; DB 3; Length 550;
Best Local Similarity 18.5%; Pred. No. 1.7;

Matches 43; Conservative 33; Mismatches 55; Indels 101; Gaps 13;
QY 12 SHSRTOGAQRSSKWLKFLC---SIVMLFL---GSFSLIFIFLQLETAKEPCMAKFGPL 65
DB 188 SYSEVEG-----WRAWLGCHVLSVMSAIFMRKSMTASWT-----EQHQAR--LMLQYSPL 236
QY 66 ---PSKW-----OMASSEPPCVNKVSKDKLEI- 89
DB 237 NADSDRWLAQYIRAERLCEVSEQVDLTNTSYFRDVAADPATRNPVOTCRNKLNNKMGVP 296
QY 90 ---LQNGLYLYIGQVAPNANDVAPFEVRLYKKNKMDIOTLTNKSKI----- 133
DB 297 QRLRSPLIMFEHVA-----TAYNHEPVLMTATNKDSFTTAPYLAERLSLTD 343
QY 134 -----QNVGTYEL--HVGDTIDLIIFNSEHGVKLNNTYWGIIILLANPOFI 176
DB 344 PPLVLTQDHTAVYELTAQVAVQLDIFINYDTK-----SLVASPSLV 385

RESULT 6
PCT-US93-02475-6
Sequence 6, Application PC/TUS9302475
GENERAL INFORMATION:
APPLICANT: Wisnieski, Bernadine J. Factor with Modified
TITLE OF INVENTION: Tumor Necrosis
TITLE OF INVENTION: Ion Channel
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Donald G. Lewis
STREET: 8328 Regents Road #1E
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 M storage
COMPUTER: VE System 386
OPERATING SYSTEM: MS-DOS 5
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/02475
FILING DATE: 19930412
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/852,625
FILING DATE: 12 March 1992
ATTORNEY/AGENT INFORMATION:
NAME: Donald G. Lewis
REGISTRATION NUMBER: 28636
REFERENCE/DOCKET NUMBER: BJW-2
TELEPHONE: (619) 554-2421
TELEFAX: (619) 554-6312
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 157 amino acids
TYPE: AMINO ACIDS
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Tumor Necrosis Factor (feline)
PUBLICATION INFORMATION:
AUTHORS: McGraw, R. A., Coffee, B.W., Otto,
AUTHORS: C.M., Drews, R.T. and Rawling, C.A.
TITLE: Gene Sequence of Feline Tumor Necrosis
TITLE: Factor
JOURNAL: Nucleic Acids Research
VOLUME: 18
PAGES: 5564
DATE: 1990
RELEVANT RESIDUES IN SEQ ID NO: 6: 1-157
PCT-US93-02475-6

Query Match 7.8%; Score 74; DB 4; Length 157;
 Best Local Similarity 24.4%; Pred. No. 0.4;
 Matches 30; Conservative 21; Mismatches 32; Indels 40; Gaps 6;

QY 81 KVSQKLEILONGLYLYGVQV-----APNANY---NDVAPFEVRLYKKNKMIQTLTNKS 131
 DB 42 ELTDNQLKVPFSDGLYLYISQVLFYGGVFGLEKGRDLSTELNLPAYLDFAESGV-----YFGI 154

QY 132 KIQN-----VGGTYELHVGDTID-----LIFNEHVLKNNYWG 167
 DB 100 PCQRETPEGAEAKPWEPIYLGVGFGLEKGRDLSTELNLPAYLDFAESGV-----YFGI 154

QY 168 ILL 170
 DB 155 IAL 157

RESULT 7
 US-08-765-381-12
 ; Sequence 12, Application US/08765381
 ; Patent No. 6083724
 ; GENERAL INFORMATION:
 ; APPLICANT: Commonwealth Scientific and Industrial Research Organisation
 ; TITLE OF INVENTION: No. 6083724el avian cytokines and genetic
 ; NUMBER OF SEQUENCES: 17
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Scully Scott Murphy and Presser
 ; STREET: 400 Garden City Plaza
 ; CITY: Garden City, New York
 ; STATE: New York
 ; COUNTRY: UNITED STATES OF AMERICA
 ; ZIP: 11530

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08765,381
 FILING DATE: 19-DEC-1996

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: AU PN1542/95
 FILING DATE: 06-MAR-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/AU96/00114
 FILING DATE: 05-MAR-1996

ATTORNEY/AGENT INFORMATION:
 NAME: PRESSER, LEOPOLD
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 1-516-742-4343
 TELEFAX: 1-516-742-4366

INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 166 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ORIGINAL SOURCE:
 ORGANISM: ovine

US-08-765-381-12

Query Match 7.7%; Score 73; DB 3; Length 166;
 Best Local Similarity 27.7%; Pred. No. 0.57;
 Matches 38; Conservative 22; Mismatches 49; Indels 28; Gaps 7;

QY 22 SSKWLKFCISIVMLFLCFSWLIIFIFLOETAKE-----PCMAKFGPLPSKWQMASSE 75
 DB 5 SSFLLALLC--VLLGSGSGVGGQFF-FKEIENLKKEYFNASNPDAVARGGGLFSE----- 54

QY 76 PPCVNVKVSQWKLE-----ILONGLYLYGVQVAPNANYNDVAPFEVRLYKKNKMIQTLTNKS 131
 DB 55 -----ILKNWKEESDKKILIQSQIVSFYFKLFENLKNDOVIOQRSMIDIK-QDMFOKFLNGS 108

QY 132 --KIQNVGGTYELHVG 146
 DB 109 SEKLEDFKRLIQIPVDD 125

RESULT 8
 US-08-323-445A-10
 ; Sequence 10, Application US/08323445A
 ; Patent No. 5763733
 ; GENERAL INFORMATION:
 ; APPLICANT: Whitlow, Marc
 ; APPLICANT: Filipula, David
 ; APPLICANT: Shorr, Robert
 ; TITLE OF INVENTION: Antigen-Binding Fusion Proteins
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
 ; STREET: 1100 New York Avenue, Suite 600
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08323,445A
 FILING DATE: 13-Oct-1994

CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Bugalsky, Lawrence B.
 REGISTRATION NUMBER: 35,086
 REFERENCE/DOCKET NUMBER: 0977.2060000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540

INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 233 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US-08-323-445A-10

Query Match 7.5%; Score 71.5; DB 1; Length 233;
 Best Local Similarity 20.6%; Pred. No. 1.4;
 Matches 51; Conservative 27; Mismatches 57; Indels 113; Gaps 12;

QY 7 ENMPLSHSRTOGAORSWKWLKFLCISIVMLFLCFSWLIIF-----IFLOETAKEPCMAK 61
 DB 15 EALPKKTGGPGQSGNR-----CLFLSLFSLIVAGATTIF-----CLLH 52

QY 62 FG-----PLPSKWQMAS-----SEPPCVNVKVS----- 83
 DB 53 FGVIQPGQRESPRDLISLPLAQAVRSSRTPSDKPVAVHVAHQEQGLQWLNRRANAL 112

QY 84 -----DMKLEILONGLYLYGVQV-----APNANY---NDVAPFEVRLYKKNKMIQTL 126
 DB 113 LANGVELRDNQLVVPSEGLYLYISQVLFKGGQCPSTHLLHTTISRIVSYQTKVNLISA 172

QY 127 LTNKSKIQN-----VGGTYELHVGDTID-----LIFNSEHVLKNN 162
 DB 173 I--KSPCQRETPEGAEAKPWEPIYLGVGFGLEKGRDLSTELNLPAYLDFAESGV----- 226

QY 163 TYWGIILL 170

us-09-195-368-1.rai

Fri Feb.23 10:49:07 2001

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; Sequence 3, Application US/08912227
; Patent No. 5998171
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Human Endokine Alpha
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C
; STREET: 1100 NEW YORK AVE., NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/912,227
; FILING DATE: Herewith
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/024,058
; FILING DATE: 16-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0470001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
; US-08-912-227-3

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Query Match      7.5%; Score 71.5; DB 2; Length 233;
Best Local Similarity 20.6%; Pred. No. 1.4;
Matches 51; Conservative 27; Mismatches 57; Indels 113; Gaps 12;

QY 7 ENPLSHSRTOGAGRSWKLWLFCSIVMLLFLCSFWLIF-----IFLQLETAKEPCMAK 61
Db 15 EALPKTKGGFGGSR-----CLFLSLFSLIVAGATTLF-----CLLH 52
QY 62 FG-----PLPSKWOMAS---SEPPCVNKVS-----83
Db 53 FGVIQPORESPRDLISLPLAQAVRSSRTPSDKPVAVHVNPAQEGQLWLNRRANAL 112
QY 84 -----DMKLEILONGLYLIYGV-----APNANY---NDVAPFEVRLYKNDMIQT 126
Db 113 LANGVELRDNLVVPSEGLYLIYSQVLFKGGCGPSTHLLTHTISRIAVSYQTKVNLISA 172
QY 127 LTNKSKION-----VGGTYELHVGDITID-----LIENSEHOVLKNN 162
Db 173 I--KSPQRETPEGAERKPWTEPIYLGGVFQLEKGRDLRSAEINRPDYLDFAESGVQV-----226
QY 163 TYWGIILL 170
Db 227 -YFGIIL 233

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RESULT 11
US-08-230-428B-2
; Sequence 2, Application US/08230428B
; Patent No. 5998378

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; Sequence 10, Application US/08515903A
; Patent No. 5767260
; GENERAL INFORMATION:
; APPLICANT: Whilow, Marc
; APPLICANT: Flipula, David
; APPLICANT: Shorr, Robert
; TITLE OF INVENTION: Antigen-Binding Fusion Proteins
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/515,903A
; FILING DATE: 16-AUG-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.2060001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-515-903A-10

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Query Match      7.5%; Score 71.5; DB 1; Length 233;
Best Local Similarity 20.6%; Pred. No. 1.4;
Matches 51; Conservative 27; Mismatches 57; Indels 113; Gaps 12;

QY 7 ENPLSHSRTOGAGRSWKLWLFCSIVMLLFLCSFWLIF-----IFLQLETAKEPCMAK 61
Db 15 EALPKTKGGFGGSR-----CLFLSLFSLIVAGATTLF-----CLLH 52
QY 62 FG-----PLPSKWOMAS---SEPPCVNKVS-----83
Db 53 FGVIQPORESPRDLISLPLAQAVRSSRTPSDKPVAVHVNPAQEGQLWLNRRANAL 112
QY 84 -----DMKLEILONGLYLIYGV-----APNANY---NDVAPFEVRLYKNDMIQT 126
Db 113 LANGVELRDNLVVPSEGLYLIYSQVLFKGGCGPSTHLLTHTISRIAVSYQTKVNLISA 172
QY 127 LTNKSKION-----VGGTYELHVGDITID-----LIENSEHOVLKNN 162
Db 173 I--KSPQRETPEGAERKPWTEPIYLGGVFQLEKGRDLRSAEINRPDYLDFAESGVQV-----226
QY 163 TYWGIILL 170
Db 227 -YFGIIL 233

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RESULT 10
US-08-912-227-3

```

[illegible]

; Patent No. 5422425
 ; APPLICANT: KRIEGLER, MICHAEL; NITECKI, DANUTE E.
 ; TITLE OF INVENTION: METHODS FOR THE IDENTIFICATION OF CYTOKINE
 ; CONVERSE INHIBITORS

us-09-195-368-1.rai

Fri Feb 23 10:49:07 2001

LENGTH: 157 amino acids
 TYPE: AMINO ACIDS
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 FEATURE:
 NAME/KEY: Tumor Necrosis Factor (porcine)
 OTHER INFORMATION: A blank residue designated by "Xaa" is inserted after residue No. 7 of porcine TNF and the sequence numbering is augmented by 1
 OTHER INFORMATION: starting with residue No. 8 in order to maximize the sequence homology with human TNF.
 PUBLICATION INFORMATION:
 AUTHORS: Pauli, U. Beutler, B., and Peterhans, S.
 TITLE: porcine Tumor Necrosis Factor--Cloning with the Polymerase Chain Reaction and Determination of the Nucleotide Sequence
 JOURNAL: Gene
 VOLUME: 81
 PAGES: 185-191
 DATE: 1989
 RELEVANT RESIDUES IN SEQ ID NO: 2: 1-157 (includes one blank)
 RELEVANT RESIDUES IN SEQ ID NO: one blank
 PCT-US93-02475-2

Query Match 7.5%; Score 71; DB 4; Length 157;
 Best Local Similarity 23.9%; Pred. No. 0.9;
 Matches 33; Conservative 19; Mismatches 44; Indels 42; Gaps 7;

QY 68 KWOMASPEPCVN--KVSQMKLEILQGLYLYGV-----APNANY---NDVAPFEVR 116
 DB 27 QWQSGYANALLANGVKLNQVPTDGLYLYSVQLFRGQCPSTNVLTHTTISRIAS 86
 QY 117 LYKNKDMITLTNKSQI-----VGGTYELHVGDTID-----LIF 152
 DB 87 YQTKVNLLSAI--KSPCORETPGEAKPWEPYILGGVFOLEKDRLSAEINLPDYLDF 144
 QY 153 NSEHOVLKNTYWGIIIL 170
 DB 145 AESGQV-----YFGIIL 157

RESULT 15
 US-08-106-493A-2
 Sequence 2, Application US/08106493A
 Patent No. 5457049
 GENERAL INFORMATION:
 APPLICANT: Antonio Giordano
 TITLE OF INVENTION: "TUMOR SUPPRESSOR PROTEIN PRE2, RELATED GENE PRODUCTS, AND DNA ENCODING THEREFOR"
 TITLE OF INVENTION: "TUMOR SUPPRESSOR PROTEIN PRE2, RELATED GENE PRODUCTS, AND DNA ENCODING THEREFOR"
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Temple University Of The Commonwealth
 ADDRESSEE: System of Higher Education
 STREET: 406 University Services Building
 CITY: Philadelphia
 STATE: Pennsylvania
 COUNTRY: U.S.A.
 ZIP: 19122
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.5 inch, 720 kb
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: WordPerfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/106,493A
 FILING DATE: August 12, 1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:

NUMBER OF SEQUENCES: 12
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/53,558
 FILING DATE: 26-APR-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 562,720
 FILING DATE: 06-AUG-1990
 SEQ ID NO: 2
 LENGTH: 233
 5422425-2

Query Match 7.5%; Score 71.5; DB 5; Length 233;
 Best Local Similarity 20.6%; Pred. No. 1.4;
 Matches 51; Conservative 27; Mismatches 57; Indels 113; Gaps 12;

QY 7 ENPLSHRTGQARSSKWLWFCISIVMLFLCFSFWLIF-----IFLOLETAKEPCMAK 61
 DB 15 EALPKTKTGPQGSRR-----CLFLSLFSLIVAGATTLF-----CLLH 52
 QY 62 EG-----PLPSKQMAS---SEPPCVNKVS----- 83
 DB 53 FGIVQRESPRLSLISPLAQAVRSSRTPSKPVHVVANFQAEQGQLWLNRRANAL 112
 QY 84 -----DWKLEILQGLYLYGV-----APNANY---NDVAPFEVRLYKNKDMIO 126
 DB 113 LANGVELRDNLVPSSEGLYLYSVQLFRGQCPSTNVLTHTTISRIASVQTKVNLLSA 172
 QY 127 LTNKSQI-----VGGTYELHVGDTID-----LIFNSEHOVLKNN 162
 DB 173 I--KSPCORETPGEAKPWEPYILGGVFOLEKDRLSAEINRPDYLDFAESQV---- 226
 QY 163 TYWGIILL 170
 DB 227 -YFGIIL 233

RESULT 14
 PCT-US93-02475-2
 Sequence 2, Application PC/TUS9302475
 GENERAL INFORMATION:
 APPLICANT: Wisniewski, Bernadine J.
 TITLE OF INVENTION: Tumor Necrosis Factor with Modified Ion Channel
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Donald G. Lewis
 STREET: 8328 Regents Road #1E
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92122
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.5 inch, 1.44 M storage
 COMPUTER: VE System 386
 OPERATING SYSTEM: MS-DOS 5
 SOFTWARE: Word Perfect
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/02475
 FILING DATE: 19930412
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/852,625
 FILING DATE: 12 March 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Donald G. Lewis
 REGISTRATION NUMBER: 28636
 REFERENCE/DOCKET NUMBER: BJW-2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 554-2421
 TELEFAX: (619) 554-6312
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:

NAME: Mullins, J.G.
 REGISTRATION NUMBER: 33,073
 REFERENCE/DOCKET NUMBER: 6056-188
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 568-8383
 TELEFAX: (215) 568-5549
 TELEX: No. 5457049e
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1082 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-106-493A-2

Query Match 7.5%; Score 71; DB 1; Length 1082;
 Best Local Similarity 21.8%; Pred. No. 16;
 Matches 39; Conservative 20; Mismatches 50; Indels 70; Gaps 7;

| | | | | |
|----|-----|---------------------------|---|-----|
| QY | 30 | CSIVMLLFLCSFSLIF | -----LQLETAKEPCM | 59 |
| Db | 138 | CTVSEIFHC | -----WMLFIYAKGNFPMISDDLVSYHLLLCALDLVYGNALQCSNRKELVN | 194 |
| QY | 60 | AKEGPLP | -----SKQMASSEPCVNVKSDWKLEILQGLYLIYGVAPNANYNDVAPPEV | 115 |
| Db | 195 | PNFKGLSEDFHAKDSKPSDPPCIIE | -----KLCSLHDGLVL | 246 |
| QY | 116 | RLYKNDMTQTLTNKSKTONVGG | -----TYELHVGDTIDLIIFNSE | 155 |
| Db | 247 | KUYERKLL | -----KGREENLTGFEFGNTESEFKAINKAYEYVLSVGNLDERIFLGE | 299 |

Search completed: February 23, 2001, 10:49:31
 Job time: 46 sec